

SCOPE OF WORK

VIDEO UPGRADE – ENRIGHT CONFERENCE ROOM

333 W BROADWAY SAN DIEGO, CA 92101

PURPOSE:

The United States District Court, Southern District of California, is implementing a video system upgrade in the Enright Conference Room located in the Carter/Keep Courthouse.

The work will consist of the following: new video switching hardware, new PTZ cameras for the OFE Polycom Group 700 codec, condense three AV racks into two, replace existing laptop connections in the floor boxes, and a new control system with two wired touch panels.

De-install the following:

- 3 – AMX laptop connections in the floor boxes
- 2 – Vaddio cameras, wall mounted on the front wall
- 1 – Existing Polycom HDX8000 codec
- 1 – AMX control processor
- 1 – AMX video switcher
- 1 – Extron video switch
- 1 – DVD player
- 1 – AMX touch panel
- 1 – Existing AV rack – 3 racks condensed into 2, if possible

Install and provide the following new system:

DISPLAY

The existing 2x2 video wall display will remain in place.

The existing ceiling recessed projection screen will remain in place.

The existing input for the portable projector will remain in place (floor box).

VIDEO

Sources integrated into the AV system for the room will include:

- OFE Cable TV Digital Receiver
- OFE Polycom Group 700 Codec
- 3 HDMI Laptop input plates – 1 per floor box
- Crestron Air Media
- 2 PTZ cameras for VTC – unless we can find a wide-angle PTZ camera that would cover the room – 1 camera to replace 2
- Poly RealConnect for Microsoft Teams – 1 year subscription

All sources will be integrated with a new DM switcher for signal routing. The existing RGB Spectrum Multi-Window processor & Extron MGP will also remain in place.

AUDIO

All source audio will be routed to the OFE Electrosonics 8-channel amplifier and OFE Atlas ceiling speakers.

The existing Shure microphone system and Biamp DSP's will also remain in place.

CONTROL

A/V vendor will provide and install a new Crestron control processor and (2) wired 10" touch panels for control of the A/V system.

The processor will be located in one of the A/V racks in the credenza.

The touch panels will be located in the following locations:

- On top of the credenza to replace the existing AMX touch panel.
- On the conference table at the rear of the room (centered) for system control at the location.

System control functionality will include the following:

- Video wall on/off
- Projection screen up/down
- Source selection
- Volume up/down
- Microphone levels
- Telephone controls
- Video conferencing controls
- Cable controls

- Video input controls
- Emulate existing lighting control/scenes
- Emulate existing window covering control/settings
- Auto shut down at 7 pm

MISC

Currently, there are 3 racks of AV hardware in the right-hand cabinets of the credenza at the front of the room. Given the removal of old hardware, we should be able to condense these 3 racks into 2 racks, utilizing the 2 far right cameras in the credenza.

This space requires a high degree of security and will require security clearance and special scheduling of work time periods. The U. S. District Court operational requirements will take precedence over all contractor activities.

The contractor is to provide all labor, materials, equipment, and on-site supervision to accomplish all work as necessary. The contractor is responsible for performing all related tasks associated with the proper completion of the contract work as identified in contract documents and sketches and/or as required in accordance with standard construction trade practices. All work shall comply with applicable Federal and tenant security requirements, building codes, regulations, and ordinances.

The contractor shall install all electronic systems equipment in compliance with the manufacturers written instructions, seismic codes, and industry wide accepted practices, support equipment weight from building structure. During the submittal process, provide shop drawings which detail proposed mounting and fasteners for all such equipment.

The A/V contractor also shall:

1. Provide manufacturer recommended power supplies and/or transformers for all specified equipment.
2. Provide all necessary cable and connectors to complete manufacturer recommended cable to equipment termination to form a complete and fully functional system as shown.
3. Provide connectors which pass full bandwidth capability of the specified cable.
4. Provide rack mount kits for all rack mounted equipment. Where manufacturers do not provide rack mount kits, provide custom rack mount kits
5. If cable must be installed inside of an air plenum, provide the plenum rated equivalent to the cable specified.

IMPORTANT DETAILS:

1. The information in this conference room is sensitive and access to the area is to be restricted to contractors and sub-contractors who hold the required GSA security clearances.
2. Work hours will be coordinated through the GSA and the Clerk's office Procurement Help Desk at 619-557-6780. Work to be reviewed by the Clerk's office to verify finish and dimensional requirements for the video conferencing system.
3. Upon completion of each work period, the work area must be clean and fully operational.

4. The contractor shall insure that construction obstacles and work will not hinder pedestrian traffic at any time
5. All work is to be completed to allow the adjacent office spaces to be operational.
6. Public hallways must be kept accessible during normal operating hours.

GENERAL NOTES:

1. U.S.D.C. operational requirements will take precedence over all construction activities.
2. The contractor shall be responsible for field verification of location, dimensions and conditions of existing installations and/or equipment. Figures, drawings and sketches contained in this scope are for the contractor's use and must be conformed to.
3. Work hours may require prior approval from either the Contracting Officer or his designee and may require the issuance of an "After Hours Work Permit" from GSA if necessary, and a three-day notification to the U.S. Marshals Service prior to the start of any work. The contractor will always be required to carry the permit.

NOTES:

1. Work may be performed during business hours if this work does not intrude upon or disturb Court staff.
2. Product information for the Court furnished and installed audio/video system will be made available upon request. The Contractor shall coordinate all work with the requirements of this system.

List of new equipment – Enright Conference Room

ITEM	MAKE	MODEL	QTY TOTAL
4-Series Control System Onboard IR, COM, I/O, Relay, Cresnet, Ethernet, Built-in control subnet switch, POE+	CRESTRON	PRO4	1
10.1 in. Tabletop Touch Screen, Black Smooth	CRESTRON	TS-1070-8-S	2
16X16 DigitalMedia Switcher	CRESTRON	DM-MD16X16-CPU3	1
HDMI 4K60 4:4:4 HDR Input Card for DM Switchers	CRESTRON	DMC-4KZ-HD	5
DigitalMedia 8G+ 4K60 4:4:4 HDR Input Card for DM Switchers, HDBaseT Compatible	CRESTRON	DMC-4KZ-C	3
2-Channel DigitalMedia 8G 4K60 4:4:4 HDR Output Card for DM Switchers	CRESTRON	DMC-4KZ-CO-HD	1
2-Channel HDMI Output Card for DM Switchers	CRESTRON	DMC – HDO	3
AirMedia Presentation System 200	CRESTRON	AM-200	1
Wall Plate 4K DigitalMedia 8G Transmitter 100, black	CRESTRON	DM-TX-4KZ-100-C-1G-B-T	3
ROBOSHOT 12E ONELINK HDMI System	Vaddio	999-99600-100	2
POLY RealConnect for Microsoft Team – 1 year Subscription	POLY	4877-09900-671	1
Miscellaneous Materials (Cables, connectors, adapters, etc.)			1
Engineering, Project Management, Programming and Installation			1